

Precipitation Processing System (PPS)



Tropical Rainfall Measuring Mission (TRMM)/ Global Precipitation Measurement (GPM) Acronym Dictionary

Version 1.3

PPS_610.2_P580

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February 2017

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X, Y, Z	20

μH	Microhenries
μs	Microseconds
1A, 1B	Level 1A, Level 1B

A

A&D	Archive and Distribution
AAPP	ATOVS and AVHRR Processing Package
ABPL	As-Built Parts List
AC	Alternating Current
ACE	Attitude Control Electronics
ACS	Attitude Control System
ADC	Analog-to-Digital Converter
ADPL	As-Designed Parts List
AEB	Agencia Espacial Brasileira
AETD	Applied Engineering and Technology Directorate (NASA)
AGI	Analytical Graphics, Inc.
AGS	Attitude Ground System
AGU	American Geophysical Union
AI	Action Item
alg	Algorithm
ALOS	Advanced Land Observing Satellite (JAXA)
alt	Altitude
AMPR	Advanced Microwave Precipitation Radiometer
AMS	American Meteorological Society
AMSR	Advanced Microwave Scanning Radiometer
AMSR-E	AMSR Earth Observing System
AMSU	Advanced Microwave Sounding Unit
AMSU-B	Advanced Microwave Sounding Unit – B
anc	Ancillary
ANSI	American National Standards Institute
APC	Antenna Pattern Correction
API	Application Programming Interface
APID	Application Process Identification (PPS)
AR	Acceptance Review
ARC	Active Radar Calibration (or Calibrator)
ARO	After Receipt of Order
AS	Along Scan, or Autonomous System
ASC	Ascending (Product)
ASCII	American Standard Code for Information Interchange
ASD	APID Sorted Data (PPS)
ASI	Agency Safety Initiative
ASIC	Application-Specific Integrated Circuit
ASIST	Advanced System for Integration Test and Spacecraft Test
ASM	Acquisition Strategy Management
ASTM	American Society for Testing and Materials
ATBD	Algorithm Theoretical Basis Document
ATMS	Advanced Technology Microwave Sounder

ATO	Authorization To Operate
ATOVS	Advanced TIROS Operational Vertical Sounder
ATS	Absolute Time Sequence (Command)
AVHRR	Advanced Very High Resolution Radiometer

B

BAFO	Best and Final Offer
BATC	Ball Aerospace and Technologies Corporation
BBM	Bread Board Model
BCE	Before the Common Era
BER	Bit Error Rate
BGP	Border Gateway Protocol
BIN	Binary
BOB	Breakout Box
BOL	Beginning of Life
BPF	Band Pass Filter
BSF	Band Stop Filter

C

C	Celsius
C&DH	Command and Data Handling
CAPE	Convective Available Potential Energy
CAS	Central Authentication Service
CCB	Configuration Control Board
CCR	Configuration Change Request
CCRI	Climate Change Research Initiative
CCSDS	Consultative Committee for Space Data Systems
CCSP	Climate Change Science Program
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CE	Conducted Emissions
CentOS	Community Enterprise Operating System
CEOS	Committee on Earth Observation Satellites
CERES	Clouds and Earth's Radiant Energy System
CFDP	CCSDS File Delivery Protocol
CFOV	Center of Field-of-View
CG	Center of Gravity
CGS	Core GPS System
CIL	Critical Items List
CLA	Coupled Load Analysis
CLASS	Comprehensive Large Array Data Stewardship System (NOAA)
cm	Centimeter
CM	Configuration Management
cm ²	Square Centimeter
cm ³	Cubic Centimeter
CMB	Combined (Data)

CMD	Command
CMIS	Conical Microwave Imager Sounder
CMO	Configuration Management Office
CMS	Configuration Management System
CNES	Centre National d'Etudes Spatiales
CO	Core Observatory
CO ₂	Carbon Dioxide
comb	Combined (Data)
COMSCH	Command Schedule (PPS)
config	Configuration
CONV	Converter
COTS	Commercial Off-the-Shelf
CPC	Climate Prediction Center (NOAA)
CPS	Central Power Supply
CPT	Comprehensive Performance Test
CPU	Central Processing Unit
CrIS	Cross Track Infrared Sounder
CRL	Communications Research Laboratory (No longer in active use)
CS	Coincidence Subset, or Cross Scan
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSH	Convective Stratiform Heating
CSI	Coincident Subsetted Intermediate (Products)
CSO	Communications Service Office, or Chief Safety and Mission Assurance Officer
CSR	Cold Sky Reflector
CSS	Coarse Sun Sensor
CSU	Colorado State University
CSW	Catalog Services for Web
CT	Coincidence Table
CUC	CCSDS Unsegmented Time Code
CVS	Code Version System
CWIC	CEOS Working Group on Information Systems and Services (WGISS) Integrated Catalog

D

D3R	Dual frequency Dual polarimetric Doppler Radar
DA	Data Analysis
DAAC	Distributed Active Archive Center
DAN	Data Availability Notice (PPS)
DAS	Demand Access Service
DB	Database
dB	Decibels
DBA	Database Administrator
DBMS	Database Management System
dBZ	Decibels of Radar Reflectivity
DC	Direct Current
DCM	D-Bus Control Module

DCN	Document Control Number
DDF	Data Distribution Facility
DDN	DataDirect® Networks, provider of storage systems
DDN	Data Delivery Notice (PPS)
DEM	Digital Elevation Model
DES	Descending Longitude (Product)
dev	Development (PPS Server)
DG	Data Group
DID	Data Item Description
DISC	Data and Information Services Center (NASA)
DITL	Day in the Life (Testing)
DIV/COMB	Divider/Combiner
DLR	Delivery Review
DM	Data Manager
DMSP	Defense Meteorological Satellite Program
DMU	Drag Make Up (Maneuver)
DN	Data Notice (PPS)
DNS	Domain Name Server
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOI	Digital Object Identifier
DOORS	Dynamic Object Oriented Requirements System
DOY	Day of Year
DPI	Dots per Inch
DPM	Deputy Project Manager
DPR	Dual-Frequency Precipitation Radar
DPS	Data Processing System
DR	Data Receipt, or Discrepancy Report, or Delivery Review
DRR	Design Requirements Review
DSD	Drop Size Distribution
DSS	Digital Sun Sensor
DTD	Document Type Definition
DUT	Device Under Test
DWD	Deutscher Wetterdienst

E

ECEF	Earth-Centered Earth-Fixed
ECI	Earth-Centered Inertial
ECMWF	European Centre for Medium-Range Weather Forecasts
ECR	Earth-Centered Rotating
ECS	EOSDIS Core System
EDAC	Error Detection and Correction
EDT	Eastern Daylight Time
EDU	Engineering Development Unit
EEE	Electrical, Electronic, and Electromechanical (Parts)
EELV	Evolved Expendable Launch Vehicle
EEPROM	Electrically Erasable Programmable Read-Only Memory

EFOV	Effective Field-of-View
EGSE	Electrical Ground Support Equipment
EIA	Earth Incidence Angle
EIS	EORC Information System (JAXA)
ELV	Expendable Launch Vehicle
EM	Engineering Model
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EMOC	Emergency Management Operations Center
ENV	Environment
EOC	Emergency Operations Center
EOL	End of Life
EOP	Earth Orientation Parameters
EORC	Earth Observation Research Center (JAXA)
EOS	Earth Observing System
EOSDIS	Earth Observing System Data and Information System
EPA	U.S. Environmental Protection Agency
EPC	Electronic Power Conditioner
ESA	European Space Agency
ESD	Electrostatic Discharge
ESDIS	Earth Science Data and Information System
ESMO	Earth Science Mission Operations
ESRI	Environmental Systems Research Institute
ETE	End-to-End (Test)
ETU	Engineering Test Unit
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
EVT	Event (Report)
EWR	Eastern and Western Range
E-XING	Data Transmission Gateway for Earth-Observing Missions (JAXA)

F

F	Flight
F77	FORTTRAN 77
F90	FORTTRAN 90
F95	FORTTRAN 95
FAQ	Frequently Asked Questions
FAR	Federal Acquisition Regulation
FCDR	Fundamental Climate Data Record
FDF	Flight Dynamics Facility
FDS	Flight Dynamics (or Data) System
FEM	Finite Element Model
FET	Field Effect Transistor
FGDC	Federal Geographic Data Committee
FMEA	Failure Modes and Effects Analysis
FNMOC	Fleet Numerical Meteorology and Oceanography Center
FO	Flight Operations
FOP	Flight Operations Plan

FORTTRAN	Formula Translation
FOT	Flight Operations Team
FOV	Field of View
FPGA	Field Programmable Gate Array
FRR	Flight Readiness Review
FSW	Flight Software
FTE	Full-Time Employee
FTP	File Transfer Protocol
FWS/AWS	Friday Work Schedule/Alternate Work Schedule
FY	Fiscal Year

G

GANAL	Gridded Dataset of Global Analysis (JMA Global Analysis)
gb	Gigabit(s)
GB	Gigabyte(s)
GCC	Gnu C Compiler, or Goddard Communications Control
GCDC	Global Change Data Center
GCI	Geocentric Coordinates Inertial
GCOM	Global Change Observation Mission
GCP	Goddard Corporate Park (GSFC Offsite Contract Office)
GDaWG	GPM Data Analysis Working Group
GDO	Gunn Diode Oscillator
GDOP	Geometric Dilution of Precision
geo	Geolocation
GEO	Global Earth Observation
GeoBuilder	Geolocation Builder (PPS)
geobConcat	GeoBuilder Concatenation (PPS)
GeoCP	GeoTK Control Parameters (PPS)
GEONS	GPS-Enhanced Onboard Navigation System, or Goddard-Enhanced...
GEOS	Global Earth Observing System
GeoTK	PPS Geolocation Toolkit
GES	Ground Estimated Solution, or Goddard Earth Sciences
GES-DISC	Goddard Earth Sciences Data and Information Services Center
GFE	Government Furnished Equipment
GHA	Greenwich Hour Angle
GHCN	Global Historical Climatology Network
GHDR	GMI Housekeeping Data Record
GHRC	Global Hydrology Resource Center
GHz	Gigahertz
GIBS	Global Imagery Browse Service
GICS	GMI Coordinate System
GIDEP	Government-Industry Data Exchange Program
GIF	Graphic Interchange Format
GIS	Geographical Information System
git	Versioning Control Software (Used at PPS)
GMAO	Goddard Modeling and Assimilation Office
GMI	GPM Microwave Imager (Instrument)

GMI2	GMI on a Constellation Spacecraft
GMIK	GMI Instrument Housekeeping Data
GMIS	GMI Science Data
GMM	Geometric Math Model
GN	Ground Network
GN&C	Guidance, Navigation, and Control
GNC	Guidance and Navigation Control
GOP	Ground Operations Procedures
GOST	Get Orbit Start/Stop Times (PPS)
GOTS	Government Off-the-Shelf
GPCC	Global Precipitation Climatology Centre
GPD	Goddard Policy Directive
GPFS	Grid Parallel File System, an IBM product name of software used on GRIDScaler
GPG	Goddard Procedures and Guidelines
GPM	Global Precipitation Measurement (Mission)
GPMCORE	GPM Core Satellite
gpmut	GPM Utility
GPROF	Goddard Profiling (Algorithm for 2A12); GPM Profiling Algorithm as of 2016
GPRS	Goddard Problem Reporting System
GPS	Global Positioning System (or Sensor)
GRF	Geodetic Reference Frame
GRIB	Gridded Binary
GRO	Gamma Ray Observatory
GS	Ground System
GSE	Ground Support Equipment
GSFC	Goddard Space Flight Center (NASA)
GSIM	Ground Systems Interface Meeting
GSMaP	Global Satellite Mapping of Precipitation
GSTDN	Ground Spaceflight Tracking and Data Network
GUI	Graphical User Interface
GV	Ground Validation
GVS	Ground Validation System
GWEC	Global Water and Energy Cycle

H

H	Horizontal
H-2A	JAXA Launch Vehicle
HAC	High-Availability Cluster
HDF	Hierarchical Data Format
HDF5	Hierarchical Data Format Version 5
HGA	High-Gain Antenna
HGAS	High-Gain Antenna System
HK	Housekeeping (Data)
HPSM	High-Power Switching Module
HQ	Headquarters
HS	High Sensitivity (Scan)
HTTP	Hypertext Transfer Protocol

Hz Hertz

I

I&T	Integration and Test
I/O	Input/Output
IBR	Integrated Baseline Review
IBS	Instrument Bay System
ICARE	Cloud-Aerosol-Water-Radiation Interactions
ICC	Intel C Compiler
ICD	Interface Control Document (or Drawing)
ICHARM	International Centre for Water Hazard and Risk Management
ICRR	Instrument Concept and Risk Reduction
ICS	Interface Control Specification
ID	Identification, or Identifier
IDI	International Development Institute
IDL	Interactive Data Language
IdP	Identifier Provider
IERS	International Earth Rotation Service
IFMEA	Interface Failure Modes and Effects Analysis
IFNet	International Flood Network
IFOV	Instrument (or Instantaneous) Field of View
IGRF	International Geomagnetic Reference Field
IGSE	Instrument Ground Support Equipment
IM	Information Manager (PPS)
IMAPS	International Microelectronics and Packaging Society
IMDC	Integrated Mission Design Center
IMERG	Integrated Multi-Satellite Retrievals for GPM
INPE	Instituto Nacional de Pesquisas Espaciais (Brazil)
Inst Cmd	Instrument Command
Inst HK	Instrument Housekeeping
INTPRT	Integrated Print (Report)
IOC	In-Orbit Checkout
IOCP	Instrument Orbital Checkout Procedures
IOOH	Instrument Orbital Operation Handbook
IOP	Instrument Operation Procedures
IP	Initial Processing, or Internet Protocol
IPDS	Imagery Processing and Dissemination System
IPO	Integrated Program Office
IPT	Integrated Product Team
IR	Infrared
IRD	Interface Requirements Document
IRT	Independent Review Team
IRU	Inertial Reference Unit
ISAL	Instrument Synthesis Analysis Lab
ISO	International Organization for Standardization
ISRO	Indian Space Research Organisation
ISS	International Space Station

IT	Information Technology
ITA	Integrated Technology and Applications
ITAR	International Traffic in Arms Regulations
ITE	Integration and Testing Environment
ITM	Integration and Test Manager
ITOS	Integrated Test and Operations System
ITPS	Integrated Telemetry Plotting System, or Integrated Trending and Plotting System
ITTvis	International Telephone and Telegraph (ITT) Corporation Visual Information Solutions (VIS) (Subsidiary)
IV&V	Independent Verification and Validation

J

JAC	Job Attributes and Commands, or Job Attribute Command
JAXA	Japan Aerospace Exploration Agency
JD	Julian Day, or Julian Date
JDK	Java Development Kit
JMA	Japan Meteorological Agency
JPEG	Joint Photographic Expert Group
JPL	Jet Propulsion Laboratory (NASA)
JPSS	Joint Polar Satellite System
JPST	Joint Precipitation Measurement Missions Science Team
JRA	Japanese 55-Year Reanalysis
JR(D)	Joint Requirements (Document)
JSG	Joint Steering Group
JSON	JavaScript Object Notation
JSS2	JAXA Supercomputing System 2
JTAC	Juniper Technical Assistance Center

K

Ka/Ku	Ka-Band/Ku-Band
KaPK	KaPR Instrument Housekeeping Data
KaPR	Ka-Band Precipitation Radar
KaPS	KaPR Science Data
KAV	K, Ka, and V Bands
kbps	Kilobits per Second
kg	Kilogram
KHz	Kilohertz
km	Kilometer(s)
Km/sec	Kilometers per Second
KML	Keyhole Markup Language
KSC	Kennedy Space Center (NASA)
KuPK	KuPR Instrument Housekeeping Data
KuPR	Ku-Band Precipitation Radar
KuPS	KuPR Science Data
KVP	Key/Value Pair

L

L&EO	Launch and Early Orbit
L/V	Launch Vehicle
L1, L2, L3	Level 1, Level 2, Level 3
L1A – L1C	Level 1A – Level 1C (Algorithms)
LAN	Local-Area Network
LaRC	Langley Research Center (NASA)
LAS	Lower Atmosphere Sounding
lat/lon	Latitude/Longitude
LEO	Low-Earth Orbit
LET	Linear Energy Transfer
LF	Low-Frequency
LGA	Low-Gain Antenna
LH	Latent Heating
lh	Latent Heat
LIS	Lightning Imaging Sensor
LLIS	Lessons Learned Information System
LNA	Low-Noise Amplifier
LOA	Letter of Agreement
LOML	Longitude of Maximum Latitude
LP	Launch Pad
LRD	Launch Readiness Date
LRO	Lunar Reconnaissance Orbiter
LRR	Launch Readiness Review
LSB	Least Significant Bit
LSP	Launch Service Provider
LSWG	Launch Service Working Group
LVDS	Low-Voltage Differential Signaling

M

m ²	Square Meter
m ³	Cubic Meter
MA	Multiple Access
mA	Milliampere
MA/HS	Matched/High Sensitivity (Scan)
MAG	Magnetic
MAIP	Mission Assurance Implementation Plan
MAR	Mission Assurance Requirements
MB	Megabytes
MBA	Model-Based Analysis
Mbps	Megabits per Second
MCDR	Mission-Critical Design Review
MCM	Multi-Chip Modules
MCR	Mission Confirmation Review
MCRR	Mission Confirmation Readiness Review
MCS	Mesoscale Convective System

MD	Metrics Database
MDT	Mean Down Time
MDU	Missing Data Unit
MDUL	Missing Data Unit List (PPS)
MEOP	Maximum Expected Operating Pressure
MetOP	(European) Meteorological Operational (Spacecraft)
MeV	Mega Electron Volt
MGSE	Mechanical Ground Support Equipment
MH	Message Handler (PPS)
MHI	Mitsubishi Heavy Industry
MHS	Microwave Humidity Sounder
MHz	Megahertz
MICD	Mechanical Interface Control Drawing
MIDEX	Medium Class Explorer
MIL-STD	Military Standard
ML	Mobile Launcher
MLI	Multi-Layer Insulation
mm	Millimeter
mm/h	Millimeters per Hour
MMS	Magnetospheric Multi-Scale Mission
MOA	Memorandum of Agreement
MOC	Mission Operations Center
MODIS	Moderate Resolution Imaging Spectroradiometer
MOIS	Mission Operations Interface Specification (JAXA)
MOR	Mission Operations Review
MOS	DPR Mission Operation System (JAXA)
MOSS	Mission Operations Support Services (JAXA) (No longer in active use)
MOU	Memorandum of Understanding
MOV	Multi-Dimensional Observing Volume
MPDR	Mission Preliminary Design Review
MPG	Measurement and Product Generation
MPISS	MOC-PPS Interface Software System
MPR	Monthly Program Review
MRB	Material Review Board
MRC	Master Reference Cube
MRD	Mission Requirements Document
MRMS	Multi-Radar Multi-Sensor System
MRR	Mission Readiness Review, Mission Requirements Request, or Micro Rain Radar
MS	Matched Scan
ms	Milliseconds
MS/HS	Matched Scan/High-Sensitivity Scan
MSB	Most Significant Bit
MSDS	Material Safety Data Sheet
MSFC	Marshall Space Flight Center (NASA)
MSPPS	Microwave Surface and Precipitation Products System
MSR	Monthly Status Review
MST	Mission Simulation Test
MSU	Missing Segment Unit (PPS)
MSUL	Missing Segment Unit List (PPS)

MTB	Magnetic Torque Bar
MTBF	Mean Time Between Failures
MWI	Microwave Imager
MWS	Microwave Sounder

N

N	Newton
N/A	Not Applicable
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency of Japan (Now JAXA; no longer in active use)
NASTRAN	NASA Structural Analysis
NAV	GPS Navigator System
NavD	Navigation Data Structure
NCR	Nonconformance Report
NCSA	National Center for Supercomputing Applications
NDI	Non-Destructive Inspection
NEDT	Noise Equivalent Delta Temperature, or Noise-Equivalent Differential Temperature
NEN	Near-Earth Network
NEPA	National Environmental Policy Act
NESDIS	National Environmental Satellite, Data, and Information Service (Part of NOAA)
NetCDF	Network Common Data Format
NEXRAD	Next-Generation Weather Radar
NFS	Network File System
NGIN	Next-Generation Integrated Network
NH/SH	Northern Hemisphere/Southern Hemisphere
NIC	Network Interface Controller
NICT	National Institute of Information and Communication Technology
NIEL	Non-Ionizing Energy Loss
NISN	NASA Integrated Services Network
NIST	National Institute of Standards and Technology
NITA	National Telecommunications and Information Administration
NMI	NASA Management Instruction
NMQ	National Mosaic and Multi-Sensor QPE
NOAA	National Oceanic and Atmospheric Administration
NORAD	North American Aerospace Defense Command
NPOL	NASA S-band Polarimetric Radar
NPD	NASA Policy Directive
NPG	NASA Procedures and Guidelines
NPOESS	National Polar-Orbiting Operational Environmental Satellite System
NPP	NPOESS Preparatory Project; Suomi-NPP is more recent, and is the National Polar-Orbiting Partnership
NPR	NASA Procedural Requirements
NPSL	NASA Parts Selection List
NRL	U.S. Naval Research Laboratory
NRT	Near-Real-Time, or Near-Realtime (Data)
ns	Nanosecond

NS	Normal Scan
NSPO	National Space Program Office
NSS	Network Security Services, or NASA Safety Standard
NTS	NEC Toshiba Space Systems, Ltd. (also NT Space)
NU-WRF	NASA Unified Weather Research and Forecasting Model
NWP	Numerical Weather Prediction

O

OA	Operational Agreement
OAT	Operational Acceptance Test
OB	On-Board
OBP	On-Board Propagated
ODA	Orbital Debris Assessment
OEM	Orbit Ephemeris Message, or Original Equipment Manufacturer
OGC	Orbital Geocentric Coordinates, or Open Geospatial Consortium
OHA	Operations Hazard Analysis
OHR	Operations Handover Review
OpenDAP	Open-Source Project for a Network Data Access Protocol
OpenGIS	Open Geospatial Consortium
OPS	Operations
ORBDEF	Orbit Definition
ORR	Operations Readiness Review
OS	Operating System
OSHA	Occupational Safety and Health Administration
OST	Orbit Start/Stop Times
OTS	Off-the-Shelf

P

PacketTK	PPS Packet Toolkit (PPS)
PACOR	Packet Processor
PAF	Payload Attach Fitting
Panasas	Provider of high-performance parallel storage systems
PanFS [®]	Panasas File System
PAPL	Project-Approved Parts Lists
PB	Petabyte(s)
PCA	Program Commitment Agreement
PCB	Printed Circuit Board, or Parts Control Board
PCP	Parts Control Plan (or Program)
PCS	Processing Control System
PCT	Polarization-Corrected Brightness Temperature
PDA	Product Distribution and Access
PDF	Portable Data Format
PDL	Program Design Language
PDR	Preliminary Design Review
PE	Predicted Ephemeris
PER	Pre-Environmental Review

PFM	Proto-Flight Model
PFR	Problem Failure Report
PGS	Product Generation System
PHA	Precipitation and Hydrology Analysis
PHS	Phase Shifter
PIA	Path Integrated Attenuation
PIL	Parts Identification List
PIP	Project Implementation Plan
PLA	Payload Attachment
PM	Process Manager (PPS), or Program Manager, or Preventive Maintenance
PMD	Propellant Management Device
PMM	Precipitation Measurement Missions
PNG	Portable Network Graphics
PPS	Precipitation Processing System
PQR	Post-Qualification Review
PR	Precipitation Radar
PR/PFR	Problem Record/Problem Failure Report
PRA	Probabilistic Risk Assessment
precip	Precipitation
PreDAS	Precipitation Dynamic Advertising Server
PRF	Pulse Repetition Frequency
prod	Production (PPS Server)
PROD	Production
PRR	Preliminary Requirements Review
PRT	Platinum (or Precision) Resistance Thermometer
PS	Power Supply
PSE	Power Supply Electronics, or Power Switching Electronics
PSM	Project Safety Manager
PSPP	Payload Safety Program Plan
PSR	Pre-Shipment Review
PSS	Payload Support Structure
PSTDSN	Predicted Site Acquisition Table, Daily
PVCDP	Precipitation Virtual Constellation Data Portal (CEOS)
PVL	Parameter = Value Language
PVT	Position Velocity Time
PWB	Printed Wiring Board
PWR	Power

Q

QA	Quality Assurance
QC	Quality Control (or Check)
QF	Quality Flag
QH	Quasi-Horizontal
QM	Quality Management
QMS	Quality Management System
QPE	Quantitative Precipitation Estimation
QV	Quasi-Vertical

R

R&I	Receiving and Inspection
RA	Request for Action
RAID	Redundant (or Random) Arrays of Independent Disks
RAM	Random Access Memory
RC	Radar Calibration (or Calibrator)
RCC	Range Control Center
RDA	Radar Data Acquisition, or Receiver Driver Amplifier, or Remote Data Access
RF	Radio Frequency
RFA	Request for Action
RFI	Radio Frequency Interference, or Request for Information
RFO	Request for Offer
RFP	Request for Proposal
RGMM	Reduced Geometric Math Model
RHEL	Red Hat Enterprise Linux
RID	Request for Information or Determination, or Review Item Disposition
RMA	Reliability, Maintainability, and Availability
RMDB	Risk Management Database
RMS	Root Mean Square
ROM	Read-Only Memory
RP	Reprocessing
RS	Radiated Susceptibility, or Receiver Subsystem
RSDO	Rapid Spacecraft Development Office
RSS	Remote Sensing Systems
RT	Real-Time, or Realtime (Data)
RTM	Radiative Transfer Model
RTMM	Reduced Thermal Math Model
RTN	Return
RTS	Relative Time Sequence (Command)
RWA	Reaction Wheel Assembly

S

S/C	Spacecraft
SA	Single Access (TDRSS), or System Administrator
SADA	Solar Array Drive Assembly
SADDS	Solar Array Deployment and Drive System
SADS	Solar Array Drive System
SAM	Systems Assurance Manager
SAN	Storage-Area Network
SAOC	Satellite Application Operation Center (JAXA)
SAPHIR	Sondeur Atmospherique du Profil d'Humidite Intertropicale par Radiometrie
SAR	Safety Assessment Report
sat	Satellite
SBADLY	Solar Beta Angle/Ground Track, Daily (PPS)
SBAQLY	Solar Beta Angle/Ground Track, Quarterly (PPS)
SBAWLY	Solar Beta Angle/Ground Track, Weekly (PPS)

SBU	Sensitive But Unclassified
SC	Spacecraft
SCAD	Spacecraft Ancillary Data (File)
SCB	Science Control Board
SCDP	System Control Data Processor
SCHED	Scheduler (PPS)
SCHK	Spacecraft Housekeeping Data (SCAD)
sci	Science
SCP	Stored Command Processor
SCR	Spacecraft Concept Review
SD	Software Development
SDA	Science Data Archive
SDIS	Science Data Processing and Information Segment (or System), or Sensor Data and Information Segment
SDM	Science Data Manager
SDP	Safety Data Package
SDP-4	Simplified Drag Perturbations Satellite Orbit Model 4
SDPF	Sensor Data Processing Facility
SDPS	Sensor Data Processing Segment, or Spacecraft Data Processing Segment, or Sensor Data Processing System
SDR	System Definition Review, or Sensor Data Record
SDS	Science Data Distribution Segment (or System), or Software Design Specification
SE	System(s) Engineer, or System(s) Engineering
SeaWiFS	Sea-viewing Wide Field-of-view Sensor
SEB	Single-Event Burnout
sec	Second
SECO	Second Engine Cutoff
SEE	Single-Event Effect
SEGR	Single-Event Gate Rupture
SEL	Single-Event Latchup
SET	Single-Event Transient
SEU	Single-Event Upset
SFA	Spacecraft and Fairing Assembly Building (at TNSC)
SFTP	Secure File Transfer Protocol
SGI	Silicon Graphics, Inc.
SGP-4	Simplified General Perturbations Satellite Orbit Model 4
SI	Standard International (System of Units)
SIE	System Interface Engine
SIS	Spacecraft Interface Simulator
SL	Software Lead
SLH	Spectral Latent Heating
SM	Storage Manager (PPS)
SM/FM	System/Facility Manager
SMA	Safety and Mission Assurance
SMD	Science Mission Directorate
SMEX	Small Explorer
SMIS	Science Management and Information Subsystem
SMO	Systems Management Office
SMTP	Simple Mail Transfer Protocol

SN	Space Network
SNMP	Simple Network Management Protocol
SOAP	Simple Object Access Protocol
SOARS	Spacecraft Orbital Anomaly Reporting System
SOCC	Satellite Operations Control Center
SOP	Standard Operating Procedures
SOW	Statement of Work
SP	Signal Processing (Subsystem), or Special Processing
spec	Specification
SPF	Single Point of Failure
SQL	Structured Query Language
SRB	Solid Rocket Booster, or Science Review Board, or Standing Review Board
SRR	System Requirements Review
SRS	Shock Response Spectrum
SRT	Safety Review Team
SRVC	Service
SS&MA	Systems Safety and Mission Assurance
SSA	S-Band Single Access
ssh	Secure Shell
SSIP	System Safety Implementation Plan
SSM	Satellite Simulation Model, or Special Sensor Microwave
SSMI	Special Sensor for Microwave Imager
SSMI/S	Special Sensor for Microwave Imager/Sounder
SSO	Single Sign-On
SSPA	Solid-State Power Amplifier
SSPP	Systems Safety Program Plan
SSR	Solid-State Recorder
SST	Sea Surface Temperature
ST	Star Tracker
STA2	Spacecraft Testing and Assembly Building Number 2 (at TNSC)
STAR	NOAA Center for Satellite Applications and Research
stdout	Standard Output
STGT	Second Tracking and Data Relay Satellite Ground Terminal
STIF	Science Team User Interface
STM	Structural/Thermal Model
STORM	Science Team On-line Resource (or Request) Module (PPS)
STS	Space Transportation System
SU	Science User
SW	Switch

T

T&C	Telemetry and Command
T/R	Transmitter/Receiver (Unit)
T _a	Antenna Temperature
TAA	Technology Assistance Agreement
TAI	Temps Atomique International (International Atomic Time)
TAI_80	International Standard Seconds since January 6, 1980 (GPM Epoch)

TAM	Tri-Axis Magnetometer
T _b	Brightness Temperature
TB	Terabyte(s)
TBD/TBR	To Be Determined/To Be Resolved
TBS	To Be Supplied
T _c	Intercalibrated Brightness Temperature, or Mean Cold Sky Temperature
TCP	Transmission Control Protocol
TCXO	Temperature Controlled Crystal Oscillator
TD	Test Director
TDA	Transmitter Driver Amplifier
TDR	Temperature Data Record
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TDRSS-MA	TDRSS Multiple Access
TDRSS-SA	TDRSS Single Access
TEMP	Temperature
TGT	TDRSS Ground Terminal
THOR	Tool for High-Resolution Observation Review (PPS)
TIC	Technical Information (or Interface) Communication
TID	Total Ionizing Dose
TIFF	Tagged Image File Format
TIM	Technical Interface Meeting
TimeTK	PPS Time Toolkit
TIROS	Television Infrared Observation Satellites
TK	Toolkit
TKIO	PPS Science Algorithm Input/Output Toolkit
TKSC	Tsukuba Space Center (JAXA)
TLE	Two-Line Element
TLM	Telemetry
TLRPT	Timeline Report
TLS	Transport Layer Security
TMI	TRMM Microwave Imager
TMOM	TSDIS Maintenance and Operations Manual
TMP	Temperature
TPMA	Transition in Microwave Satellite Products, or TRMM Multisatellite Precipitation Analysis
TNRT	TRMM Near-Realtime
TNSC	Tanegashima Space Center (JAXA)
TOA	Top-of-Atmosphere
TOR	Top of Rack
TQCM	Temperature-Controlled Quartz Crystal Microbalances
TR	Termination Report, or Trouble Report
TRMM	Tropical Rainfall Measuring Mission
TRR	Test Readiness Review
TRU	Transmitter Receiver Unit
TSDIS	TRMM Science Data and Information System
TVAC	Thermal Vacuum
TX/RX	Transmitter/Receiver (Subsystem)
TXT	Text

U

UAS	Unavailable Seconds, or Upper Atmosphere Sounding
UM	Umbilical Mast
UMB	Umbilical
URL	Universal Resource Locator
USAF	United States Air Force
USML	U.S. Munitions List
USN	Universal Space Network
UT	Universal Time
UTC	Coordinated Universal Time, or Universal Time Coordinates
UTCA	Coordinated Universal Time – A
UTCf	Universal Time Correlation Factor
utils	Utilities
UV	Ultraviolet

V

V	Vertical
V&V	Verification and Validation
V/I	Voltage/Current
V1/V01	Version 1
VAB	Vehicle Assembly Building (at TNSC)
VAFB	Vandenberg Air Force Base
VCDUs	Virtual Channel Data Units
VDC	Volts of Direct Current
VF	View Factor
VG	Virtual Globe (Part of STORM)
VIRS	Visible and Infrared Sensor (or Scanner)
VIRSPD	VIRS Planning Aid, Daily
VIRSPW	VIRS Planning Aid, Weekly
VIS	Visible
VIS/IR	Visible/Infrared
VPN	Virtual Private Network
VPRF	Variable Pulse Repetition Frequency
VTL	Verification Tracking Log
V _z	Z-Component of Velocity

W

W	Watts
W/G	Wave Guide
WAN	Wide-Area Network
WBS	Work Breakdown Structure
WCS	OGC Web Coverage Services Interface Standard
WFS	OpenGIS Web Feature Service Interface Standard
WG	W and G Bands
WGS-84	World Geodetic System-84

WMS	OpenGIS Web Map Service Interface Standard
WOA	Work Order Authorization
WPS	OpenGIS Web Processing Service Interface Standard
WRF	Weather Research and Forecasting (Model)
WSGT	White Sands Ground Terminal

X, Y, Z

X-CAL	Intercalibration Working Group (GPM)
XML	Extensible Markup Language
Z	Reflectivity